

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,232,569 B2
APPLICATION NO. : 10/813908
DATED : June 19, 2007
INVENTOR(S) : Frey et al.

Page 1 of 15

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page, Item (63)

In the "Related U.S. Application Data" heading on the face page of the patent:

"Continuation of application No. 10/416,902, filed as application No. PCT/CA2001/01589 on Nov. 15, 2001" should be replaced with --Continuation of application No. 10/416,902, filed on May 15, 2003, which is a 371 of application No. PCT/CA2001/01589 filed on Nov. 15, 2001.--

At Column 13, Line 7, "AcrY" should be replaced with --AcrV--;

At Column 13, Line 33, "linus" should be replaced with --time a--;

At Column 13, Line 42, "gliatlenged" should be replaced with --challenged--;

At Column 13, Line 45, "det&nuined" should be replaced with --determined--;

At Column 18, in Table 2, "GCCCGTTTTGCCTATCAA" should be replaced with --GCCCGTTTTGCCTATCAA (SEQ ID NO:16)--;

At Column 18, in Table 2, "GCGCCGATATCGGTACCC" should be replaced with --GCGCCGATATCGGTACCC (SEQ ID NO:17)--;

At Column 18, in Table 2, "TTCGTCGGCTGGCTTGATGT" should be replaced with --TTCGTCGGCTGGCTTGATGT (SEQ ID NO:18)--;

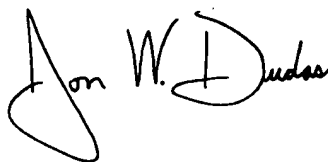
At Column 18, in Table 2, "GAACTCGCCCCCTTCCATAA" should be replaced with --GAACTCGCCCCCTTCCATAA (SEQ ID NO:19)--;

In the Sequence Listing:

Please replace the Sequence Listing with the Substitute Sequence Listing submitted herewith Col. 19 - Col. 34.

Signed and Sealed this

Thirteenth Day of January, 2009



JON W. DUDAS
Director of the United States Patent and Trademark Office

SEQ LISTING_ST25.txt
SEQUENCE LISTING

<110> Frey, Joachim
Stuber, Katja
Thornton, Julian C
Kuzyk, Michael A
Burian, Jan

<120> TYPE III SECRETION PATHWAY IN AEROMONAS SALMONICIDA, AND USES THEREFOR

<130> VA/H-50095

<140> US 10/813,908

<141> 2004-03-26

<150> US 10/416,902

<151> 2003-05-15

<150> PCT/CA01/01589

<151> 2001-11-15

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<151> 2000-11-15

<160> 19

<170> PatentIn version 3.5

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<213> Aeromonas salmonicida

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<212> PRT

<213> Aeromonas salmonicida

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SEQ LISTING_ST25.txt

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Arg Ser Gly Trp Leu Gly Glu Glu Gln Leu Ile Leu Phe Val Ser Leu
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 35 40 45

Glu Arg Leu Ala Asp Arg Val Leu Leu Asp Phe Ala Thr Pro Asp Arg
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Gly Phe His Asp Leu Leu Arg Pro Val Asp Phe Asn Gln Ala Met Gln
 65 70 75 80

Gly Leu Arg Ser Val Leu Ala Glu Gly Gln Ser Pro Glu Leu Arg Ala
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SEQ LISTING_ST25.txt

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 50 55 60

Ala His Val Asp Gln Leu Met Gln Gln Gly Glu Ala Asp Gly Pro Leu
 65 70 75 80

Trp Leu Cys Arg Ser Arg Ala Cys Gln Leu Ala Gly Arg Leu Asp Glu
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Ser Thr His Pro
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Thr Ile Ser Val Val Leu Leu Met Met Ala Val Tyr Ile Asn Ser Pro
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SEQ LISTING_ST25.txt

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SEQ LISTING_ST25.txt

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Lys Pro Gly Ser Lys Pro Arg Gly Lys Leu Gly Glu Lys Glu Glu Phe
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 385 390 395 400

Ala Leu Tyr Leu Asp Leu Gly Val Pro Phe Pro Gly Ile His Leu Arg
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 420 425 430

Val Pro Val Ala Arg Gly Leu Leu Arg Pro Gly His Gln Leu Val Gln
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Glu Ser Ala Ser Gln Leu Asp Leu Leu Gly Ile Pro Tyr Glu Glu Gly
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Ala Pro Leu Leu Pro Gly Gln Pro Thr Leu Trp Val Ala Asn Glu His
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Gln Glu Arg Leu Glu Lys Ser Arg Leu Ala Thr Leu Thr Thr Asp Gln
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Val Met Thr Trp His Leu Ser His Val Leu Arg Glu Tyr Ala Glu Asp
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Phe Ile Gly Ile Gln Glu Thr Arg Tyr Leu Leu Glu Gln Met Glu Gly
 515 520 525

Ser Tyr Ser Glu Leu Val Lys Glu Ala Gln Arg Ile Ile Pro Leu Gln
 530 535 540

Arg Met Thr Glu Ile Leu Gln Arg Leu Val Gly Glu Asp Ile Ser Ile
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Arg Asn Met Arg Ala Ile Leu Glu Ala Met Val Glu Trp Gly Gln Lys
 565 570 575

SEQ LISTING_ST25.txt

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Gln Thr Ser Ala Gly Ser Tyr Leu Ala Leu Asp Pro Thr Ile Thr Gln
625 630 635 640

Ser Phe Leu Asp Gln Val Arg His Thr Val Gly Asp Leu Ala Gln Met
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Gln Asn Lys Pro Val Leu Ile Val Ser Met Asp Ile Arg Arg Tyr Val
660 665 670

Arg Lys Leu Ile Glu Gly Asp Tyr His Ala Leu Pro Val Leu Ser Tyr
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Leu
705

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35 40 45

Ser Ser Glu Arg Leu Gly Arg Phe Tyr Leu Arg Trp Thr Gly Ala Ser
50 55 60

Glu Pro Glu Pro Gly Trp Phe Met Leu Ala Thr Glu Gln Val Cys Ser
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SEQ LISTING_ST25.txt

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Glu Ala Pro Thr Glu Gln Val Ala Val Ala Glu Gln Glu Leu Leu Ala
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Ala Asp Ser Ser Thr Ala Leu Ser Lys Glu Gln Leu Glu Lys Leu Leu
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Ala Ala Tyr Leu Thr Asp Pro Ala Ser Ile Asn Gly Gly Trp Ala Met
65 70 75 80

SEQ LISTING_ST25.txt

Gly Gln Phe Lys Gly Gly Gln Asp Ala Ala Ile Ala Ala Ile Lys Gly
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Val Ile Glu Arg Gly Ala Lys Gln Thr Pro Pro Val Thr His Trp Thr
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Thr Asp Asp Asp Leu Ile Thr Thr Phe Thr Gly Val Met Met Phe Gln
 130 135 140

Asp Asn Gln Arg Lys Gly Leu Arg Asp Glu Leu Ala Glu Met Thr Ala
 145 150 155 160

Glu Leu Lys Ile Tyr Gly Val Ile Gln Ser Glu Ile Asn Gln Val Leu
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Ser Ala Ala Ser Asn Gln Thr Phe Lys Thr Asn Phe Asn Leu Met Asp
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Tyr Lys Leu Tyr Gly Tyr Glu Ser Leu Ala Lys Phe Met Glu Gly Gly
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Glu Phe Lys Leu Leu Ser Lys Met Phe Ser Asp Glu Gln Val Thr Lys
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Ala Gln Gln Asp Phe Thr Asn Ala Lys Asn Glu Leu Glu Asn Val Thr
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Ser Thr Ser Leu Asn Pro Lys Ile Gln Ala Glu Ala Lys Thr Asp Tyr
 245 250 255

Glu Arg Lys Lys Ala Ile Phe Glu Glu Ile Val Glu Thr Gln Ile Ile
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Thr Leu Lys Thr Phe Leu Glu Ser Asp Leu Lys Lys Ser Gly Ala Met
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Ser Gly Ile Glu Ala Glu Tyr Lys Tyr Asp Lys Asp Asn Asn Lys Leu
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Gly Asn Phe Ser Thr Ser Val Ser Asp Arg Ser Arg Pro Leu Asn Asp
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SEQ LISTING_ST25.txt

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 20 25 30

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 35 40 45

Ala Gly Lys Trp Glu Asp Ala His Lys Ile Phe Gln Ala Leu Cys Met
 50 55 60

Leu Asp His Tyr Glu Pro Arg Tyr Phe Leu Gly Leu Gly Ala Cys Arg
 65 70 75 80

Gln Ala Met Gly Glu Phe Glu Thr Ala Val Gln Ser Tyr Ser Phe Gly
 85 90 95

Ala Met Leu Asp Leu Lys Asp Pro Arg Phe Pro Phe His Ala Gly Glu
 100 105 110

Cys Arg Leu Gln Gln Gly Asp Leu Asn Gly Ala Glu Ser Gly Phe His
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SEQ LISTING_ST25.txt

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SEQ LISTING_ST25.txt

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